

October 3, 2008

Ms. Marlene Dortch Secretary Federal Communications Commission 445 12th Street, S.W. Room TWB204 Washington, DC 20554

Ex Parte Presentation in ET Docket No. 04-186, MB Docket Nos. 04-233, 87-268, 99-25, 07-294, 06-121, 02-277, 01-235, 01-317, 00-244, 04-228; MB Docket No. 04-233

Dear Ms. Dortch:

Pursuant to Section 1.1206 of the Commission's rules, an original and one copy of this letter are being filed as notice that a meeting was held on October 1, 2008 between Commissioner Adelstein and Rudy Brioche and the following representatives of Disney/ABC: Emily Barr (President and General Manager of WLS-TV, Chicago); Bernie Prazenica (President and General Manager of WPVI-TV, Philadelphia); Jeff Willis (Coordinating Technical Manager, ESPN); Preston Padden (EVP, Disney); and Susan Fox (VP, Disney).

The proceedings at issue are not restricted and therefore presentations are permitted, but must be disclosed. During the presentation, Ms. Barr, Mr. Prazenica, and Mr. Willis expressed their concern over proposals to use the broadcast white spaces for unlicensed personal and portable devices. Ms. Barr and Mr. Prazenica stressed the importance of protecting local broadcasts from interference that would result from use of the broadcast spectrum by personal and portable devices. Mr. Willis explained the points made in the attached letter. Mr. Prazenica also explained our opposition to various proposals to reallocate DTV channel 6. In that regard, Mr. Prazenica stressed the need for WPVI to continue broadcasting on channel 6 and he reiterated the points made in Disney/ABC's various filings in those dockets.

Lastly, Ms. Barr and Mr. Prazenica described their stations' commitment to localism, including airing local programming (news, public affairs, and political coverage), implementing on-air and community partnerships with local organizations, and receiving input from local leaders on issues of local concern.



Sincerely, Swan J. Fort/smx

Susan L. Fox

Vice President, Government Relations

cc: Commissioner Adelstein

Rudy Brioche

September 26, 2008

Marlene H. Dortch, Secretary Federal Communications Commission 445 12th Street, S.W. Washington, DC 20554

> Re: Ex Parte Regarding FedEx Field White Space Prototype Tests, <u>ET Docket No. 04-186</u>, Jeffrey Willis, Coordinating Technical Manager, ESPN

Dear Ms. Dortch:

ESPN has been an active participate in the FCC's "white spaces" proceeding and we remain very concerned about the outcome of this proceeding. We have maintained consistently that the various proposals will cause interference to over-the-air digital television reception and to wireless microphones that are used for the production of live sports events.

Recently, ESPN was pleased to be invited by the FCC to participate in a white space device "field test" at FedEx Field in early August. ESPN thus far has not commented publicly on those tests, out of respect for the engineers in the Commission's Office of Engineering and Technology ("OET") and the integrity of that testing process. However, in light of the inaccurate test summaries released by the White Spaces Coalition and the Wireless Innovation Alliance, ESPN feels compelled to clarify for the record the test protocol and results from FedEx Field.

- Prior to the start of tests at 10:00 a.m. ESPN deployed a battery of wireless microphones on the field. These microphones were a representative sample of the units used during ESPN Monday Night Football ("MNF") broadcasts, albeit far fewer than required at a broadcast MNF game.
- Pursuant to instructions received from OET, ESPN tuned the transmit frequencies on eleven (11) microphones to separate channels between 21 and 51 in the UHF.
- OET engineers then moved the Philips and I2R "white space" devices to four different test sites within the stadium complex. Specifically, the devices were deployed on the field at the 50-yard line, in a secure area on the outside of stadium, on a walkway facing the field on the stadium's upper deck, and within the press box.
- At each location OET ran an initial scan with microphones powered off, and a second scan with ESPN's microphones transmitting on the OET assigned channels noted above. Each device conducted one series of such scans.

With regard to the I2R device, the test results were not any more encouraging. On the first scan it missed 8 out of 11 transmitting microphones, on the second scan it missed 7 out of 11 microphones, on the third scan it missed 5 out of 11 microphones and on the third and final scan it missed 3 out of 11 microphones. In short, the I2R device failed to detect more than 50% of transmitting microphone signals by incorrectly identifying occupied channels as vacant, despite being in close proximity to the transmit sites (within 15-200 yards of the transmitting microphones) at all times.

Based on these results, sensing technology cannot be the foundation for protecting incumbent license holders. Of course, there are other issues with the proposed devices beyond the lack of sensing capability. First, we have yet to see, let alone test, the technology that supposedly will allow the devices to migrate to an unused frequency in a timely manner. A channel scan taking seconds, not to mention minutes, is not acceptable in an environment that demands response within microseconds. Second, we have not seen nor tested the technology that will inhibit the device's transmissions if an unused frequency cannot be found. Third, ESPN has yet to witness a device that would provide protection to the high-gain antennas deployed in and around an event to retrieve the low-power microphone signal from the non sensing WSD.

In addition, ESPN would like to take this opportunity to urge the Commission to thoroughly test the prototype beacon devices recently submitted on behalf of Motorola and Adaptrum. Beacons rely exclusively on the same sensing technology that failed at FedEx Field, and have generally proven ineffective during tests in other real-world environments. A sensing "white space" device will only avoid a beacon it can identify. The beacon technology only increases the difficulty of the incumbent license holders' finding and using available spectrum. Prior to ESPN's opening Monday Night Football season, we coordinated 114 low-power frequencies in the local market. If ESPN used the beacon proposal, at the minimum, an additional 6 MHz (one TV channel) of valuable bandwidth would be required for incumbent protection. Given that the emissions of the proposed beacons resemble those of wireless microphones that sensing devices cannot reliably detect, ESPN has justified reservations whether existing sensing technology is up to the task Moreover, the superficial beacon "demonstrations" conducted by Motorola and Adaptrum for FCC staff in recent weeks cannot be held out as evidence of beacon technology's effectiveness or reliability. A mere assumption of success is not a basis for a decision that could result in irreversible consequences.

Respectfully submitted,

Office Villes/SK

Jeffrey Willis



October 3, 2008

Ms. Marlene Dortch Secretary Federal Communications Commission 445 12th Street, S.W. Room TWB204 Washington, DC 20554

Ex Parte Presentation in ET Docket No. 04-186, MB Docket Nos. 04-233, 87-268, 99-25, 07-294, 06-121, 02-277, 01-235, 01-317, 00-244, 04-228

Dear Ms. Dortch:

Pursuant to Section 1.1206 of the Commission's rules, an original and one copy of this letter are being filed as notice that a meeting was held on October 1, 2008 between Rosemary Harold and Angela Giancarlo and the following representatives of Disney/ABC: Emily Barr (President and General Manager of WLS-TV, Chicago); Bernie Prazenica (President and General Manager of WPVI-TV, Philadelphia); Jeff Willis (Coordinating Technical Manager, ESPN); Preston Padden (EVP, Disney); and Susan Fox (VP, Disney).

The proceedings at issue are not restricted and therefore presentations are permitted, but must be disclosed. During the presentation, Ms. Barr, Mr. Prazenica, and Mr. Willis expressed their concern over proposals to use the broadcast white spaces for unlicensed personal and portable devices. Ms. Barr and Mr. Prazenica stressed the importance of protecting local broadcasts from interference that would result from use of the broadcast spectrum by unlicensed personal and portable devices. Mr. Willis explained the points made in the attached letter. Mr. Prazenica also explained our opposition to various proposals to reallocate DTV channel 6. In that regard, Mr. Prazenica stressed the need for WPVI to continue broadcasting on channel 6 and he reiterated the points made in Disney/ABC's various filings in those dockets.

Sincerely,
Susan 2. For Ismax

Susan L. Fox

Vice President, Government Relations

cc:

Angela Giancarlo Rosemary Harold Marlene H. Dortch, Secretary Federal Communications Commission 445 12th Street, S.W. Washington, DC 20554

Re: Ex Parte Regarding FedEx Field White Space Prototype Tests,

ET Docket No. 04-186, Jeffrey Willis, Coordinating Technical Manager,
ESPN

Dear Ms. Dortch:

ESPN has been an active participate in the FCC's "white spaces" proceeding and we remain very concerned about the outcome of this proceeding. We have maintained consistently that the various proposals will cause interference to over-the-air digital television reception and to wireless microphones that are used for the production of live sports events.

Recently, ESPN was pleased to be invited by the FCC to participate in a white space device "field test" at FedEx Field in early August. ESPN thus far has not commented publicly on those tests, out of respect for the engineers in the Commission's Office of Engineering and Technology ("OET") and the integrity of that testing process. However, in light of the inaccurate test summaries released by the White Spaces Coalition and the Wireless Innovation Alliance, ESPN feels compelled to clarify for the record the test protocol and results from FedEx Field.

- Prior to the start of tests at 10:00 a.m. ESPN deployed a battery of wireless microphones on the field. These microphones were a representative sample of the units used during ESPN Monday Night Football ("MNF") broadcasts, albeit far fewer than required at a broadcast MNF game.
- Pursuant to instructions received from OET, ESPN tuned the transmit frequencies on eleven (11) microphones to separate channels between 21 and 51 in the UHF.
- OET engineers then moved the Philips and I2R "white space" devices to four different test sites within the stadium complex. Specifically, the devices were deployed on the field at the 50-yard line, in a secure area on the outside of stadium, on a walkway facing the field on the stadium's upper deck, and within the press box.
- At each location OET ran an initial scan with microphones powered off, and a second scan with ESPN's microphones transmitting on the OET assigned channels noted above. Each device conducted one series of such scans.

With regard to the I2R device, the test results were not any more encouraging. On the first scan it missed 8 out of 11 transmitting microphones, on the second scan it missed 7 out of 11 microphones, on the third scan it missed 5 out of 11 microphones and on the third and final scan it missed 3 out of 11 microphones. In short, the I2R device failed to detect more than 50% of transmitting microphone signals by incorrectly identifying occupied channels as vacant, despite being in close proximity to the transmit sites (within 15-200 yards of the transmitting microphones) at all times.

Based on these results, sensing technology cannot be the foundation for protecting incumbent license holders. Of course, there are other issues with the proposed devices beyond the lack of sensing capability. First, we have yet to see, let alone test, the technology that supposedly will allow the devices to migrate to an unused frequency in a timely manner. A channel scan taking seconds, not to mention minutes, is not acceptable in an environment that demands response within microseconds. Second, we have not seen nor tested the technology that will inhibit the device's transmissions if an unused frequency cannot be found. Third, ESPN has yet to witness a device that would provide protection to the high-gain antennas deployed in and around an event to retrieve the low-power microphone signal from the non sensing WSD.

In addition, ESPN would like to take this opportunity to urge the Commission to thoroughly test the prototype beacon devices recently submitted on behalf of Motorola and Adaptrum. Beacons rely exclusively on the same sensing technology that failed at FedEx Field, and have generally proven ineffective during tests in other real-world environments. A sensing "white space" device will only avoid a beacon it can identify. The beacon technology only increases the difficulty of the incumbent license holders' finding and using Prior to ESPN's opening Monday Night Football season, we available spectrum. coordinated 114 low-power frequencies in the local market. If ESPN used the beacon proposal, at the minimum, an additional 6 MHz (one TV channel) of valuable bandwidth would be required for incumbent protection. Given that the emissions of the proposed beacons resemble those of wireless microphones that sensing devices cannot reliably detect, ESPN has justified reservations whether existing sensing technology is up to the task Moreover, the superficial beacon "demonstrations" conducted by Motorola and Adaptrum for FCC staff in recent weeks cannot be held out as evidence of beacon technology's effectiveness or reliability. A mere assumption of success is not a basis for a decision that could result in irreversible consequences.

Respectfully submitted,

Deffrez Willis/SK



October 3, 2008

Ms. Marlene Dortch Secretary Federal Communications Commission 445 12th Street, S.W. Room TWB204 Washington, DC 20554

Ex Parte Presentation in ET Docket No. 04-186

Dear Ms. Dortch:

Pursuant to Section 1.1206 of the Commission's rules, an original and one copy of this letter are being filed as notice that a meeting was held on October 1, 2008 between the representatives of the Office of Engineering and Technology listed below and the following representatives of Disney/ABC: Emily Barr (President and General Manager of WLS-TV, Chicago); Bernie Prazenica (President and General Manager of WPVI-TV, Philadelphia); Jeff Willis (Coordinating Technical Manager, ESPN); Preston Padden (EVP, Disney); and Susan Fox (VP, Disney).

The proceeding at issue is not restricted and therefore presentations are permitted, but must be disclosed. During the presentation, Ms. Barr, Mr. Prazenica, and Mr. Willis expressed their concern over proposals to use the broadcast white spaces for unlicensed personal and portable devices. Ms. Barr and Mr. Prazenica stressed the importance of protecting local broadcasts from interference that would result from use of the broadcast spectrum by unlicensed personal and portable devices. Mr. Willis explained the points made in the attached letter.

Sincerely,

Susan L. Fox

Vice President, Government Relations

Suan J. Fox kmx

cc: Julius Knapp

Alan Stilwell Bruce Romano Rashmi Doshi Marlene H. Dortch, Secretary Federal Communications Commission 445 12th Street, S.W. Washington, DC 20554

> Re: Ex Parte Regarding FedEx Field White Space Prototype Tests, <u>ET Docket No. 04-186</u>, Jeffrey Willis, Coordinating Technical Manager, ESPN

Dear Ms. Dortch:

ESPN has been an active participate in the FCC's "white spaces" proceeding and we remain very concerned about the outcome of this proceeding. We have maintained consistently that the various proposals will cause interference to over-the-air digital television reception and to wireless microphones that are used for the production of live sports events.

Recently, ESPN was pleased to be invited by the FCC to participate in a white space device "field test" at FedEx Field in early August. ESPN thus far has not commented publicly on those tests, out of respect for the engineers in the Commission's Office of Engineering and Technology ("OET") and the integrity of that testing process. However, in light of the inaccurate test summaries released by the White Spaces Coalition and the Wireless Innovation Alliance, ESPN feels compelled to clarify for the record the test protocol and results from FedEx Field.

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Respectfully submitted,

Jeffrey Willis /SK



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Ex Parte Presentation in MB Docket Nos. 04-233, 87-268, 99-25, 07-294, 06-121, 02-277, 01-235, 01-317, 00-244, 04-228; MB Docket No. 04-233

Dear Ms. Dortch:

Pursuant to Section 1.1206 of the Commission's rules, an original and one copy of this letter are being filed as notice that a meeting was held on October 1, 2008 between the Media Bureau staff listed below and the following representatives of Disney/ABC: Emily Barr (President and General Manager of WLS-TV, Chicago); Bernie Prazenica (President and General Manager of WPVI-TV, Philadelphia); Jeff Willis (Coordinating Technical Manager, ESPN); Preston Padden (EVP, Disney); and Susan Fox (VP, Disney).

The proceedings at issue are not restricted and therefore presentations are permitted, but must be disclosed. During the presentation, Mr. Prazenica explained our opposition to various proposals to reallocate DTV channel 6. In that regard, Mr. Prazenica stressed the need for WPVI to continue broadcasting on channel 6 and he reiterated the points made in Disney/ABC's various filings in those dockets. The Disney/ABC representatives also generally discussed the progress of the digital television transition in their local markets. Lastly, Ms. Barr and Mr. Prazenica described their stations' commitment to localism, including airing local programming (news, public affairs, and political coverage), implementing on-air and community partnerships with local organizations, and receiving input from local leaders on issues of local concern.

Sincerely,

Susan L. Fox

Vice President, Government Relations

Snan 2 Fox/SMK



cc:

Eloise Gore
Barbara Kreisman
Mary Beth Murphy
Simon Banyai
Gordon Godfrey
Jamila Bess Johnson
Kim Matthews
Wayne McKee
John Norton
Julie Salovaara
Elvis Stumbergs



October 3, 2008

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Ex Parte Presentation in ET Docket No. 04-186, MB Docket Nos. 87-268, 99-25, 07-294, 06-121, 02-277, 01-235, 01-317, 00-244, 04-228

Dear Ms. Dortch:

Pursuant to Section 1.1206 of the Commission's rules, an original and one copy of this letter are being filed as notice that a meeting was held on October 1, 2008 between Commissioner Copps and Rick Chessen and the following representatives of Disney/ABC: Emily Barr (President and General Manager of WLS-TV, Chicago); Bernie Prazenica (President and General Manager of WPVI-TV, Philadelphia); Jeff Willis (Coordinating Technical Manager, ESPN); Preston Padden (EVP, Disney), and Susan Fox (VP, Disney).

The proceedings at issue are not restricted and therefore presentations are permitted, but must be disclosed. During the presentation, Ms. Barr, Mr. Prazenica, and Mr. Willis expressed their concern over proposals to use the broadcast white spaces for unlicensed personal and portable devices. Ms. Barr and Mr. Prazenica stressed the importance of protecting local broadcasts from interference that would result from use of the broadcast spectrum by unlicensed personal and portable devices. Mr. Willis explained the points made in the attached letter. Mr. Prazenica also explained our opposition to various proposals to reallocate DTV channel 6. In that regard, Mr. Prazenica stressed the need for WPVI to continue broadcasting on channel 6 and he reiterated the points made in Disney/ABC's various filings in those dockets.

Sincerely,

Swar L. Fox Susan L. Fox

Vice President, Government Relations

cc:

Commissioner Copps

Rick Chessen

Marlene H. Dortch, Secretary Federal Communications Commission 445 12th Street, S.W. Washington, DC 20554

> Re: Ex Parte Regarding FedEx Field White Space Prototype Tests, <u>ET Docket No. 04-186</u>, Jeffrey Willis, Coordinating Technical Manager, ESPN

Dear Ms. Dortch:

ESPN has been an active participate in the FCC's "white spaces" proceeding and we remain very concerned about the outcome of this proceeding. We have maintained consistently that the various proposals will cause interference to over-the-air digital television reception and to wireless microphones that are used for the production of live sports events.

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With regard to the I2R device, the test results were not any more encouraging. On the first scan it missed 8 out of 11 transmitting microphones, on the second scan it missed 7 out of 11 microphones, on the third scan it missed 5 out of 11 microphones and on the third and final scan it missed 3 out of 11 microphones. In short, the I2R device failed to detect more than 50% of transmitting microphone signals by incorrectly identifying occupied channels as vacant, despite being in close proximity to the transmit sites (within 15-200 yards of the transmitting microphones) at all times.

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In addition, ESPN would like to take this opportunity to urge the Commission to thoroughly test the prototype beacon devices recently submitted on behalf of Motorola and Adaptrum. Beacons rely exclusively on the same sensing technology that failed at FedEx Field, and have generally proven ineffective during tests in other real-world environments. A sensing "white space" device will only avoid a beacon it can identify. The beacon technology only increases the difficulty of the incumbent license holders' finding and using Prior to ESPN's opening Monday Night Football season, we available spectrum. coordinated 114 low-power frequencies in the local market. If ESPN used the beacon proposal, at the minimum, an additional 6 MHz (one TV channel) of valuable bandwidth would be required for incumbent protection. Given that the emissions of the proposed beacons resemble those of wireless microphones that sensing devices cannot reliably detect, ESPN has justified reservations whether existing sensing technology is up to the task Moreover, the superficial beacon "demonstrations" conducted by Motorola and Adaptrum for FCC staff in recent weeks cannot be held out as evidence of beacon technology's effectiveness or reliability. A mere assumption of success is not a basis for a decision that could result in irreversible consequences.

Respectfully submitted,

Jeffrez Willis/SK Jeffrey Willis



October 3, 2008

Ms. Marlene Dortch Secretary Federal Communications Commission 445 12th Street, S.W. Room TWB204 Washington, DC 20554

Ex Parte Presentation in ET Docket No. 04-186, MB Docket Nos. 87-268, 99-25, 07-294, 06-121, 02-277, 01-235, 01-317, 00-244, 04-228

Dear Ms. Dortch:

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Sincerely,

Susan L. Fox
Susan L. Fox

Vice President, Government Relations

cc:

Commissioner Tate Wayne Leighton Marlene H. Dortch, Secretary Federal Communications Commission 445 12th Street, S.W. Washington, DC 20554

> Re: Ex Parte Regarding FedEx Field White Space Prototype Tests, <u>ET Docket No. 04-186</u>, Jeffrey Willis, Coordinating Technical Manager, ESPN

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Jeffrez Willis/SK